# AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application: What is claimed is:

1. (Currently amended) a method ~~and apparatus~~ for interframe wavelet video coding, comprising:

an encoder for inputting [[a]] video ~~frame~~ frames, comprising a Motion Compensated Temporal Filtering (MCTF) analyzer, a spatial analyzer connected to said MCTF analyzer, a wavelet coefficients entropy encoder ~~a Discrete Wavelet Transform (DWT) coefficient encoder~~ connected to said spatial analyzer, a packetizer connected to said wavelet coefficients entropy ~~DWT coefficient~~ encoder, a motion estimator embedded or connected to said MCTF analyzer, and a Motion Information (MI) encoder connected to said ~~packetizer and said~~ motion estimator;

a decoder for outputting [[a]] video ~~frame~~ frames, comprising a de-packetizer, a wavelet coefficients entropy ~~DWT coefficient~~ decoder connected to said de-packetizer, a spatial synthesizer connected to said wavelet coefficients entropy ~~DWT coefficient~~ decoder, an MCTF synthesizer connected to said spatial synthesizer, and an MI decoder connected to said de-packetizer and said MCTF synthesizer; and

a puller connected to said encoder and said decoder,

wherein said method ~~and apparatus~~ is to partition an MI for scalability and to transfer a partition of said MI to a terminal to achieve said scalability.

2. (Canceled)

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (Currently amended) The method and apparatus for interframe wavelet video coding according to claim 1, wherein said MI encoder is to split all motion vectors of all said partitions into a base layer and one or more enhancement layers and to apply MI entropy coding on said base layer and said enhancement layers to compress said MI applied with MI entropy encoding so that wherein an output of a compressed MI is obtained by an input of said MI; and said compressed MI can be partially decoded.

8. (Canceled)

9. (Canceled)

10. (Canceled)

11. (Canceled)

12. (Canceled)

13. (Canceled)

14. (Canceled)

15. (Canceled)

16. (Currently amended) The method and apparatus for interframe wavelet video coding according to claim 1, wherein said MI decoder is to apply MI entropy decoding on received partial or complete said compress[[ed]] MI and combine a base layer and one or more decoded enhancement layers and said MI decoder to form a motion vector so

that an output of an MI is obtained by an input of a compressed MI applied with <u>MI</u> entropy [[de]]<u>en</u>coding.

17.  (Currently Amended) The method ~~and apparatus~~ for interframe wavelet video coding according to claim 1, wherein said puller is to read bit-rate/frame-rate/image-size information to partition a compressed video content bitstream; to decide whether one or more enhancement layers are needed on said bit-rate/frame-rate/image-size; to send the MI of a base layer; and to combine said partitioned compressed video content bitstream and a partitioned MI obtained by partitioning the MI of said enhancement layers according to said bit-rate/frame-rate/image-size, to form a compressed bitstream.

18.  (Canceled)

19.  (Canceled)

20.  (Canceled)

21.  (Canceled)

22.  (Canceled)

23.  (Canceled)

24.  (Canceled)

25.  (Canceled)